



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Jim Justice , Governor
Austin Caperton , Cabinet Secretary
www.dep.wv.gov

Monday, January 08, 2018
WELL WORK PERMIT
Vertical / Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit approval for RINEHART 1
47-041-01363-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: RINEHART 1
Farm Name: RINEHART, B. J.
U.S. WELL NUMBER: 47-041-01363-00-00
Vertical / Plugging
Date Issued: 1/8/2018

Promoting a healthy environment.

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. This well is under a consent order and must be plugged under the terms of that agreement.

Form WW-4 (B)
Permit Copy
(Rev 2/01)

Date: November 9, 2017
Operator's Well _____
Well No. 651931 (Rinehart #658)
API Well No.: 47 041 - 01363

Check # 21606
11-14-17
\$1,000.

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

4) Well Type: Oil _____ Gas X Liquid Injection _____ Waste Disposal _____
If Gas, Production _____ X Or Underground storage _____ Deep _____ Shallow X

5) Elevation: 851 ft. Watershed: Walnut Fork
Location: Freemans Creek County: Lewis Quadrangle: Vadis 7.5'
District: _____

6) Well Operator EQT Production Company
120 Professional Place
Address: Bridgeport, WV 26330

7) Designated Agent: Rex C. Ray
Address: 120 Professional Place
Bridgeport, WV 26330

8) Oil & Gas Barry Stollings
Name: 28 Conifer Drive
Address: Bridgeport, WV 26330

9) Plugging Contractor:
Name: HydroCarbon Well Service
Address: PO BOX 995
Buckhannon, WV 26201

10) Work Order: The work order for the manner of plugging this well is as follows:

See Attachment for details and procedures.

OK gnm for Barry Stollings 11/8/2018

OFFICE USE ONLY

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector _____

Date _____

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PLUGGING PROGNOSIS

Rinehart, B.J. # 658 (651931)
 Lewis Co. WV
 District, Freemans Creek
 API # 47-041-01363

BY: Craig Duckworth
 DATE: 1/30/17

CURRENT STATUS:

10" csg @ 120' (pulled)
 8 1/4" csg @ 825' (pulled)
 6 5/8" csg @ 1508'
 3" tbg @ 1624' (packer @ 1582' after frac.)
 2" tbg @ 1542' (pulled)

Elevation @ 861'

TD: 2416' (plugged to 1642')

Fresh Water @ None Reported Coal @ None Reported
 Saltwater @ None Reported
 Gas shows @ 1500'-1566'
 Oil @ None Reported
 Perforated @

Removed 2" Tubing and cleaned out to 1700', set permanent bridge at 1700'. Filled with stone & clay to 1670' and cement to 1642'. Run 1638' of 3 1/2" tubing with 7" x 3" Hold Down Tension Packer set at 1582' with 42' of Tail pipe.

Fractured 10-28-64 by Dowell with 45,000# of sand & 1009 bbls. of water, Breakdown pressure 1500 to 2500#, Injection pressure 2700# at the rate of 24.6 bbls. per minute. Test before fracture 5,000 cu. ft., Rock pressure 500# in 72 hours. Test after fracture 1,565,000 cu. ft. Rock pressure 380# in 1 hour.

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1. Notify State Inspector, **Barry Stollings 304-552-4194**, 48 hrs. prior to commencing operations.
2. Check TD w/wireline
3. Attempt to pull 3" w/packer @ 1582' if unable to pull. Run bond log to find freepoint of 3", cut 3" @ free point and pull.
4. TIH w/tbg to 1642', set 200' C1A cement plug from 1642' to 1442'. (Gas show @ 1500'-1566 & 6 5/8" @ 1508')
5. TOOH w/tbg to 1442' gel hole 1442' to 1200'.
6. TOOH w/tbg, Free point 6 5/8" csg, cut csg @ free point, TOOH w/csg.
7. Set 100' C1A cement plug 50' in/out of casing cut, perforate all freshwater, saltwater, coal, oil and gas shows below cut. Do not omit any plugs.
8. TIH w/tbg to 1200' set 200' C1A cement plug from 1200' to 1000', (6 5/8" csg cut @ 1100'est.
9. TOOH w/tbg to 1000' gel hole 1000' to 900'.
10. TOOH w/tbg to 900', set 100' C1A cement plug 900' to 800'. (8 1/4" csg seat @ 825' pulled & elevation @ 861').
11. TOOH w/tbg to 800' gel hole from 800' to 200'.
12. TOOH w/tbg to 200', set 200' C1A cement plug, 200' to 0'. (10" csg seat @ 120' pulled)
13. Erect monument with API#, Date plugged, EQT
14. Reclaim location and road to WV-DEP specifications.

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STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WV Department of
Environmental Protection

Quadrangle Vadis SW

Permit No. 1363

WELL RECORD
WELL TO BE FRACTURED

Oil or Gas Well GAS
(KIND)

Company Carnegie Natural Gas Company
 Address 3904 Main Street, Pittsburgh, Pa. 15121
 Farm B. J. Rinehart Acres 100
 Location (waters) _____
 Well No. 1-658 Elev. 861
 District Freamans Creek County Lewis
 The surface of tract is owned in fee by _____
 Address _____
 Mineral rights are owned by See Below
 Address _____
 Drilling commenced July 25, 1916
 Drilling completed August 31, 1916
 Date Shot _____ From _____ To _____
 With _____
 Open Flow _____ /10ths Water in _____ Inch
16 /10ths Merc. in 2 Inch
 Volume 622,000 Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED _____
 WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer <u>Wall</u>
18			
10	<u>120</u>	<u>0</u>	Size of <u>5/8 x 2</u>
8 1/2	<u>825</u>	<u>0</u>	
6 3/4	<u>1508</u>	<u>1508</u>	Depth set <u>1435</u>
5 3/16			
3			Perf. top _____
2	<u>1542</u>	<u>1542</u>	Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

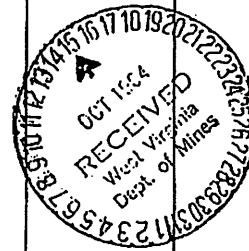
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES
 _____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water _____ Feet _____ Salt Water _____ Feet _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Conductor			16				
Little Dunkard			440	480			
Big Dunkard			540	570			
Gas Sand			650	690			
1st Salt Sand			790	865			
2nd Salt Sand			1060	1290			
Maxton			1348	1363			
Little Lime			1375	1390			
Pencil Cave			1390	1400			
Big Lime			1400	1450			
Big Injun			1450	1644	Gas	1513 & 1612	
Gantz Sand			1693	1813			
30 Foot Sand			1980	2010			
Gordon Sand			2100	2104			
			Total Depth	2416			



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STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

Quadrangle Vadis, S.W.

Permit No. LEW-1363-FRAC.

WELL RECORD

Oil &
 Oil or Gas Well Gas
(KIND)

Company <u>Carnegie Natural Gas Company</u>	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address <u>3904 Main Street, Murrells, Pa. 15121</u>	Size			
Farm <u>B. J. Rinehart</u> Acres <u>100</u>	16			Kind of Packer
Location (waters) <u>Walnut Fork</u>	13			
Well No. <u>1-658</u> Elev. <u>861</u>	10			Size of
District <u>Freemans Creek</u> County <u>Lewis</u>	8 1/4			Depth set
The surface of tract is owned in fee by _____	6 3/4			
Address _____	5 3/16			Perf. top
Mineral rights are owned by <u>See below</u>	3			Perf. bottom
Address _____	2			Perf. top
Drilling commenced _____	Liners Used			Perf. bottom
Drilling completed _____				
Date Shot _____ From _____ To _____				
With _____				
Open Flow _____ /10ths Water in _____ Inch				
_____ /10ths Merc. in _____ Inch				
Volume _____ Cu. Ft.	CASING CEMENTED	SIZE	No. Ft.	Date
Rock Pressure _____ lbs. _____ hrs.				
Oil _____ bbls., 1st 24 hrs.				
WELL ACIDIZED _____				
WELL FRACTURED <u>10-28-64</u>				

RESULT AFTER TREATMENT 1,565,000 Cu. Ft.

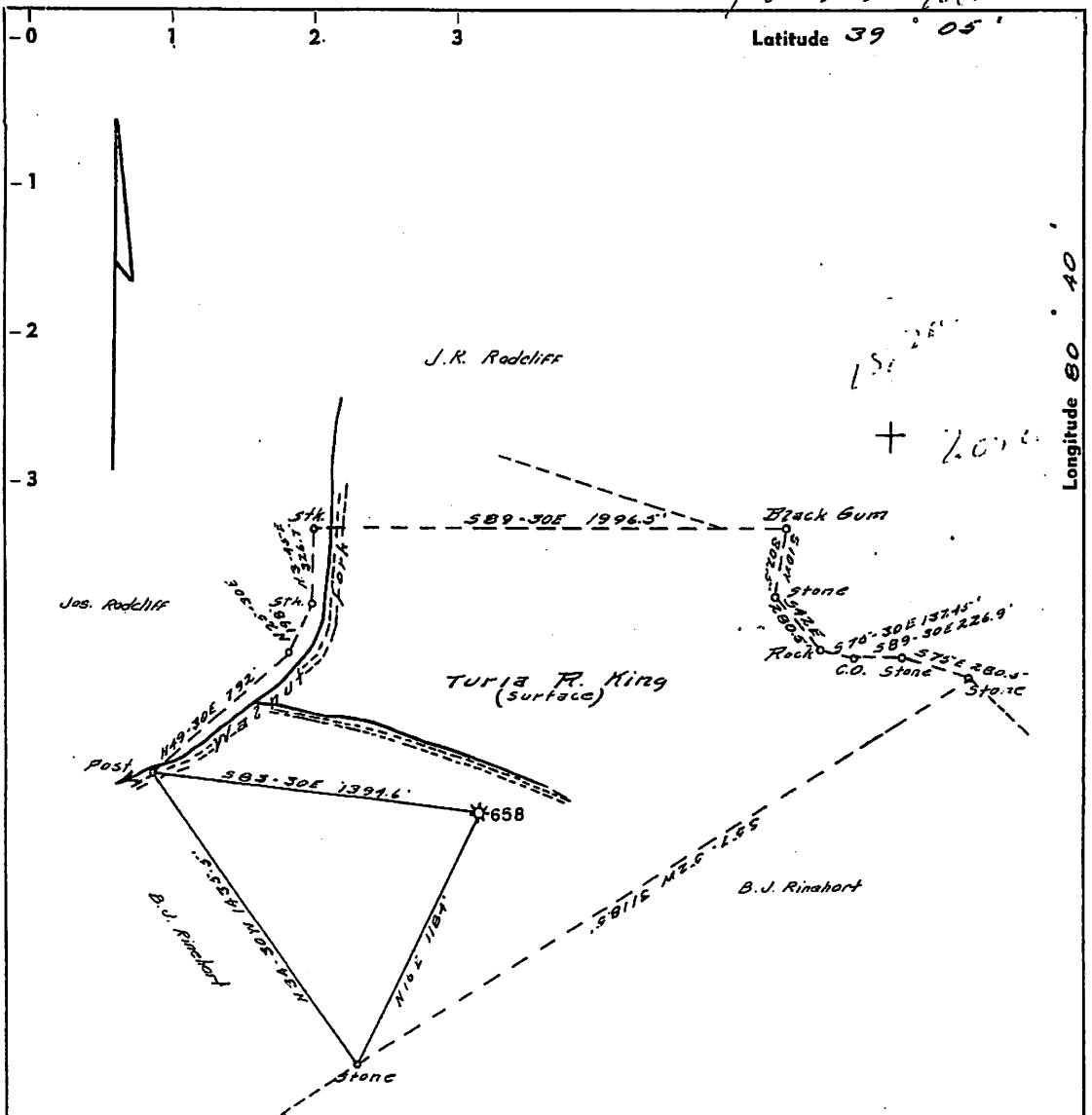
ROCK PRESSURE AFTER TREATMENT 380# - 1 hour

Fresh Water _____ Feet Salt Water _____ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
							Removed 2" tubing and cleaned out to 1700'. Set permanent bridge stone and clay to 1670' and cement to 1642'. Run 1638' of 3 1/2" down tension packer set at 1582' with 42' of tail pipe. Commenced cleaning out 9-25-64. Completed cleaning out 10-30-64. Test before fracture - 5,000 cu. ft. and 500# R.P. in 72 hours. Total depth is now 1642'.
							at 1700'. Filled with tubing with 7" x 3" Hold
							Mineral Rights owned by:
							Emory Custer 4210 - 28th St. N.E. Canton 5, Ohio
							Lena Coats 803 South-B, St Mornouth, Illinois
							Alice M. Sutton 575 Trade Winds Drive Dunedin, Florida
							Samuel Lewis Custer, Atty-in-fact Heirs of H. E. Custer Route #7, Newark, Ohio
							J. R. Floyd Route #5, Box 129 Parkersburg, W. Va.
							Turis R. King, Alum Bridge, W. Va.
							J. Carl Rinehart 301 Masonic Street Pennsboro, W. Va.
							Oleta Rinehart Box 14 Alum Bridge, W. Va.
							C. H. Custer - Deceased



41-01363P
12 1 1 / 61.



I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Error in closure: 1/380

B.M. Hurst, cliff at facing south, 4.5 feet below top: bronze tablet stamped "B15 GRAFTON" B1A.958

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- Fracture
- New Location
- Drill Deeper
- Redrill
- Abandonment

Company CARNEGIE NATURAL GAS
 Address 3904 MAIN ST MUNHALL PA
 Farm B. J. RINEHART
 Tract _____ Acres 100 Lease No. E7907-32
 Well (Farm) No. 1 Serial No. E 658
 Elevation (Spirit Level) 861'
 Quadrangle VAD15
 County LEWIS District FREEMANS CO.
 Engineer John Orthwein
 Engineer's Registration No. 1850
 File No. _____ Drawing No. _____
 Date 10-6-64 Scale 1" = 600'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP

FILE NO. LEW-1363-FRAC

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

WW-4-A
Revised 6/07

1) Date: November 9, 2017
2) Operator's Well Number
651931 (Rinehart #658)
3) API Well No.: 47 041 - 01363
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL & GAS
NOTICE AND APPLICATION TO PLUG AND ABANDON WELL

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WV Department of
Environmental Protection

4) Surface Owner(s) to be served:
(a) Name Joseph and Sarah King
Address 238 Walnut Fork
Alum Bridge, WV 26321

(b) Name _____
Address _____

(c) Name _____
Address _____

6) Inspector Barry Stollings
Address 28 Conifer Drive
Bridgeport, WV 26330
Telephone (304) 552-4194

5) (a) Coal Operator:
Name None
Address _____

(b) Coal Owner(s) with Declaration
Name Blackhawk Mining
Address 3228 Summit Square Place
Suite 180
Lexington, KY 40509

(c) Coal Lessee with Declaration
Name None
Address _____

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

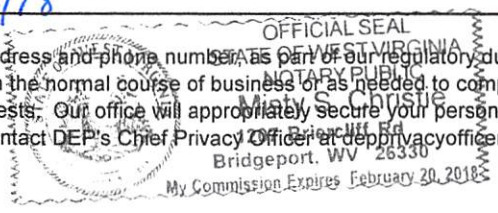
- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
 - (2) The plat (surveyor's map) showing the well location on Form WW-6.
- The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Division of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.

Well Operator: EQT Production Company
By: Victoria J. Roark
Its: Regional Land Supervisor
Address: PO Box 280
Bridgeport, WV 26330
Telephone: (304) 848-0076

Subscribed and sworn before me this 14th day of November, 2017
Christie Notary Public
My Commission Expires: 2/26/18

The Office of Oil & Gas processes your personal information, such as name, address and phone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.



WW-9
Revised 5/16

Page ____ of ____
2) Operator's Well Number
651931 (Rinehart #658)
3) API Well No.: 47 041 - 01363

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL & GAS
FLUIDS / CUTTINGS DISPOSAL & RECLAMATION PLAN

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WV Department of
Environmental Protection

Operator Name: EQT PRODUCTION COMPANY OP CODE: _____

Watershed (HUC 10): Walnut Fork Quadrangle: Vadis 7.5'
Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes ___ No X

Will a pit be used? Yes X No ___
If so, please describe anticipated pit waste: _____
Will a synthetic liner be used in the pit? Yes X No ___ Is so, what ml.? 20 40-ml

Proposed Disposal Method for Treated Pit Wastes:

Land Application (if selected provide a completed form WW-9-GPP)

Underground Injection (UIC Permit Number _____)
X _____
Reuse (at API Number -- Various _____)
X _____
Off Site Disposal Permit (Supply form WW-9 for disposal location. See attachment)

Other: (Explain _____)

Will closed loop system be used ? If so, describe: _____
Drilling medium anticipated for this well? (vertical and horizontal)? Air, freshwater, oil based, etc. _____
If oil based, what type? Synthetic, petroleum, etc. _____
Additives to be used in drilling medium? _____
Drill cuttings disposal method? Leave in pit, landfill, remove offsite, etc. _____
If left in pit and plan to solidify what medium will be used? (cement, Lime, sawdust) _____
Landfill or offsite name/permit number? _____

Permittee shall provide written notice to the Office of the Oil and Gas of any load of drill cuttings or associated waste rejected at ar West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Division of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

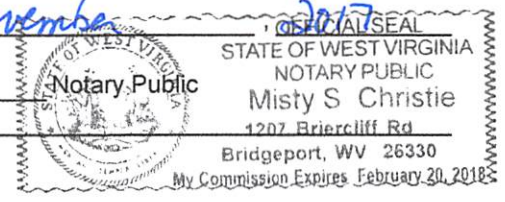
application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature _____
Company Official (Typed Name) Victoria J. Roark
Company Official Title Regional Land Supervisor - WV

Subscribed and sworn before me this 14th day of November, 2017
My Commission Expires _____

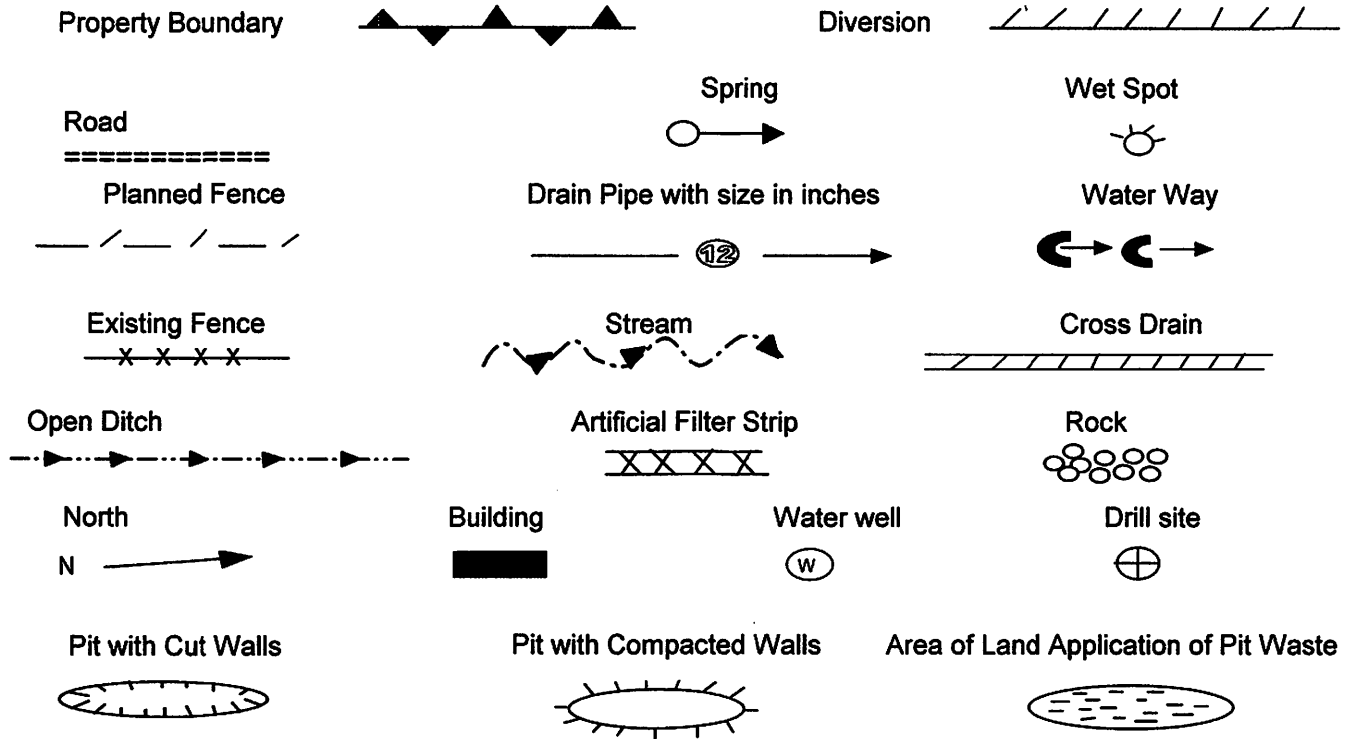
Misty S. Christie

2/20/18



OPERATOR'S WELL NO.:
651931 (Rinehart #658)

LEGEND



Proposed Revegetation Treatment: Acres Disturbed: 1± Prevegetation pH

Lime 3 Tons/acre or to correct to pH 6.5

Fertilizer (10-20-20) or equivalent 1/3 ton lbs/acre (500 lbs minimum)

Mulch 2 Tons/acre or hydroseed.

SEED MIXTURES

Area I		Area II	
Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	40	Red Fescue	15
Alsike Clover	5	Alsike Clover	5
Annual Rye	15		

ATTACH:

Drawing(s) of road, location, pit and proposed area for land application.
Photocopies section of involved 7.5' topographic sheet.

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Plan approved by: _____

NOV 22 2017

Comments: _____
WV Department of Environmental Protection

Title: _____ Date: _____
Field Reviewed? Yes No

EQT Production Water plan
Offsite disposals

Waste Management - Meadowfill Landfill

Rt. 2, Box 68 Dawson Drive
Bridgeport, WV 26330
304-326-6027
Permit #SWF-1032-98
Approval #100785WV

Waste Management - Northwestern Landfill

512 E. Dry Road
Parkersburg, WV 26104
304-428-0602
Permit #SWF-1025 WV-0109400
Approval #100833WV

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Environmental Protection

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Topo Quad: Vadis 7.5'

Scale: 1" = 500'

NOV 22 2017

County: Lewis

Date: October 26, 2017

WV Department of
Environmental Protection

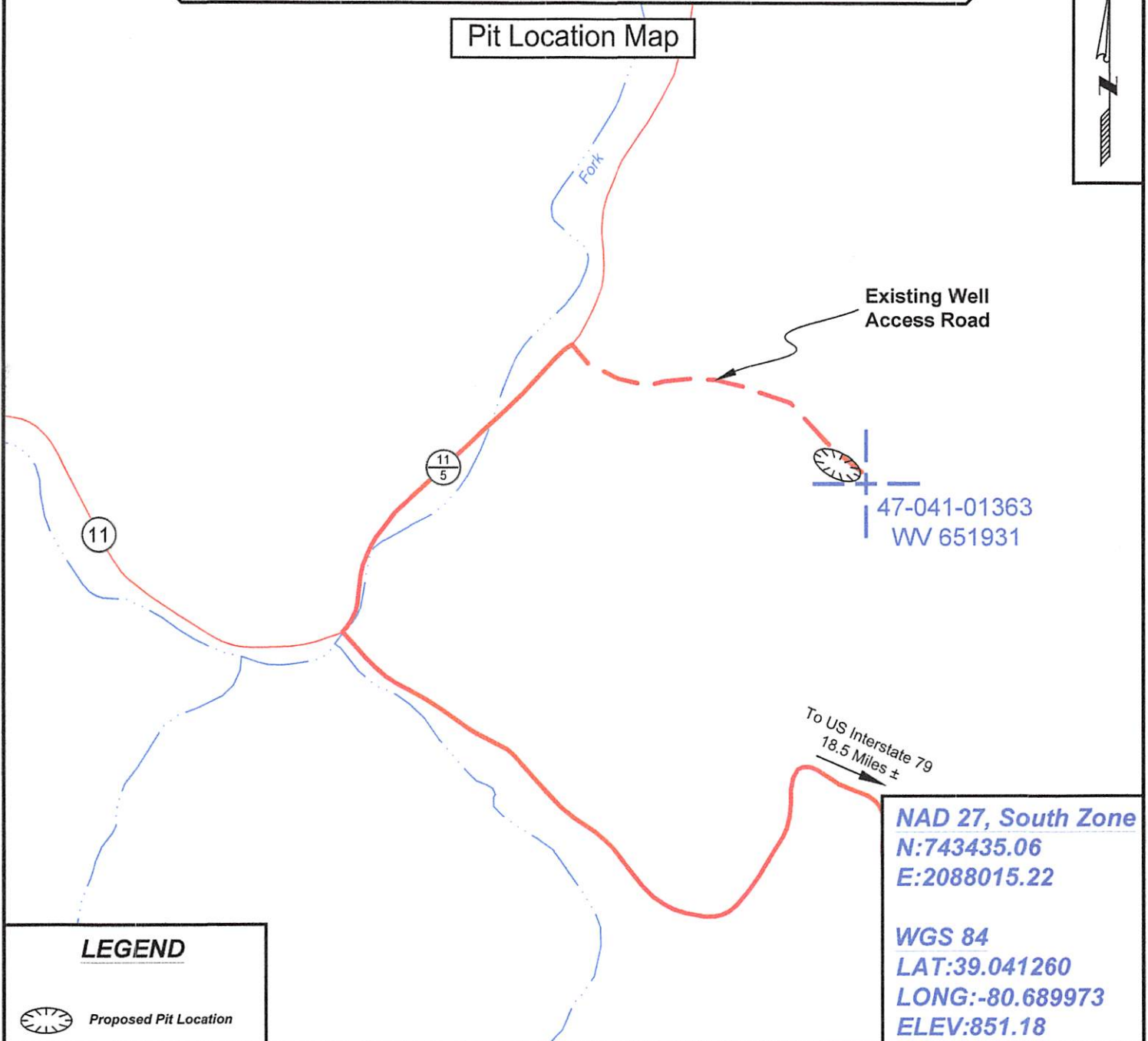
District: Freemans Creek

Project No: 73-12-00-08

Highway

47-041-01363 WV 651931 (Rinehart #658)

Pit Location Map



LEGEND

 Proposed Pit Location



SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

1-800-482-8606
237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8606
FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

P.O. Box 280
Bridgeport, WV 26330

41-01363P

Topo Quad: Vadis 7.5'

Scale: 1" = 200'

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County: Lewis

Date: October 26, 2017

NOV 22 2017

District: Freemans Creek

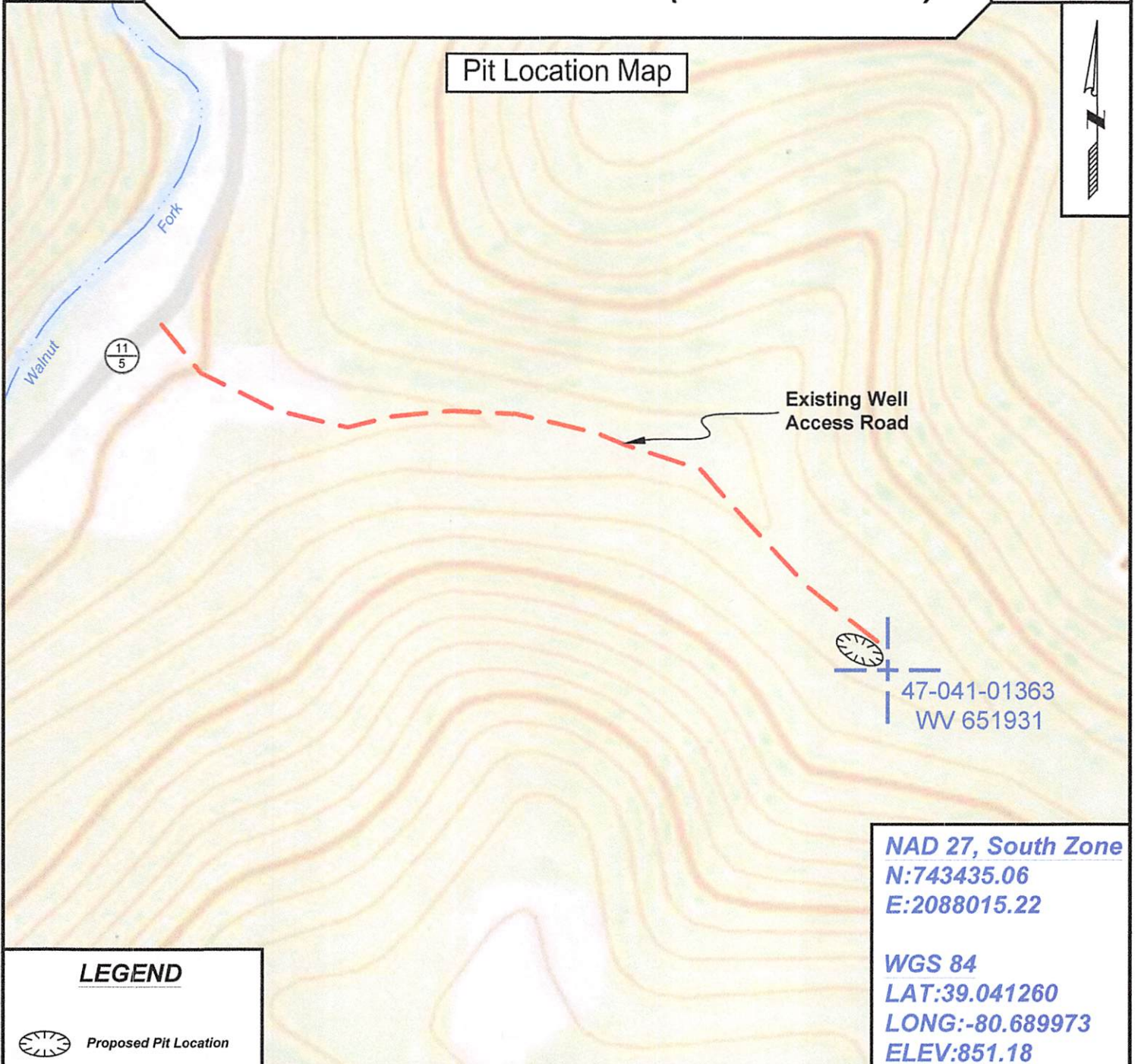
Project No: 73-12-00-08

WV Department of
Environmental Protection

47-041-01363 WV 651931 (Rinehart #658)

Topo


Pit Location Map



NAD 27, South Zone
N:743435.06
E:2088015.22

WGS 84
LAT:39.041260
LONG:-80.689973
ELEV:851.18

LEGEND

 Proposed Pit Location



SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

1-800-482-8606
237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8606
FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

P.O. Box 280
Bridgeport, WV 26330

41-01363 P

Topo Quad: Vadis 7.5'

Scale: 1" = 2000'

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Office of Oil and Gas

County: Lewis

Date: October 26, 2017

NOV 22 2017

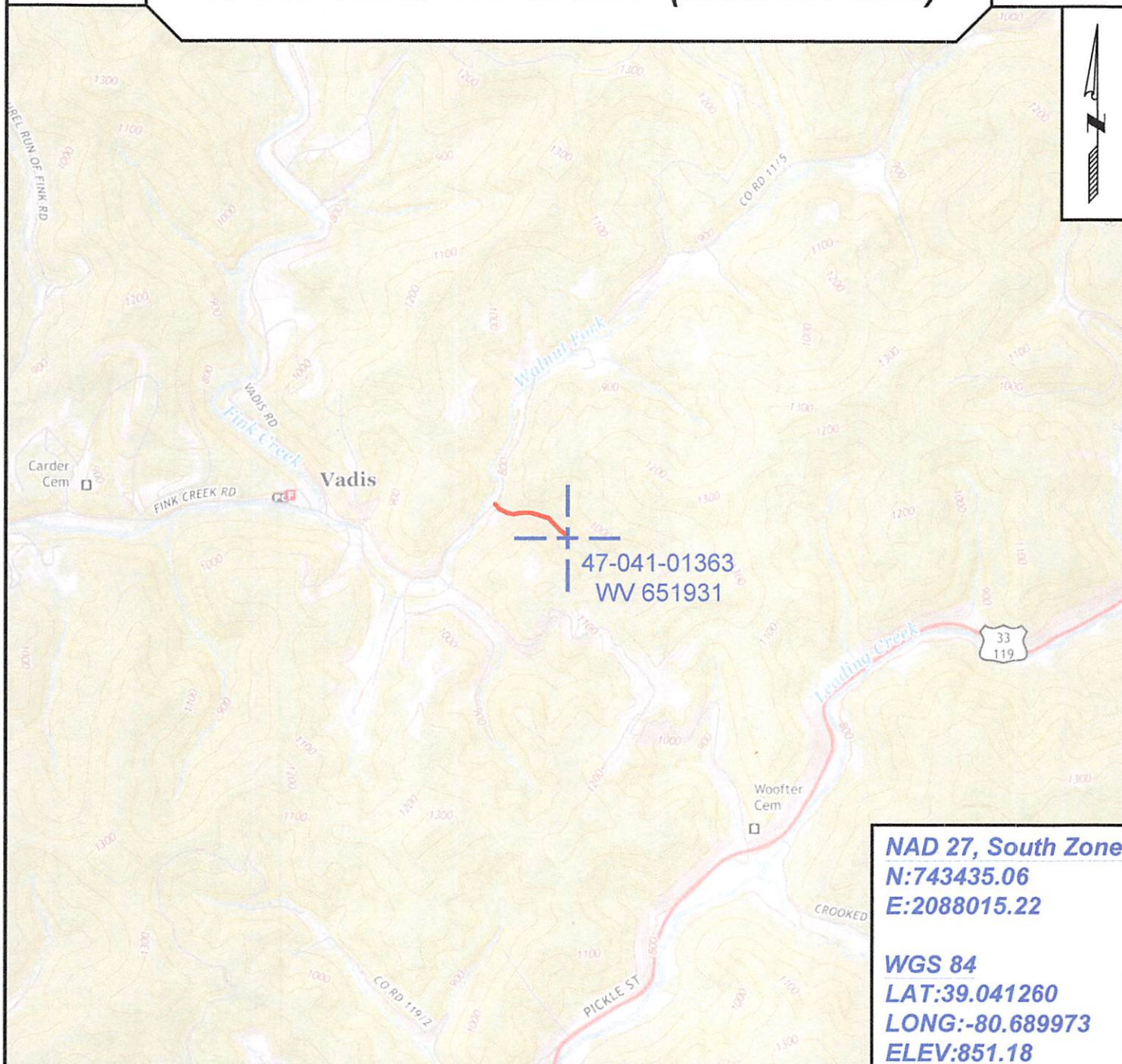
District: Freemans Creek

Project No: 73-12-00-08

WV Department of
Environmental Protection

47-041-01363 WV 651931 (Rinehart #658)

Topo



47-041-01363
WV 651931

NAD 27, South Zone
N:743435.06
E:2088015.22

WGS 84
LAT:39.041260
LONG:-80.689973
ELEV:851.18



SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

1-800-482-8606
237 Birch River Road
Birch River, WV 26610
PH: (304) 649-8606
FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

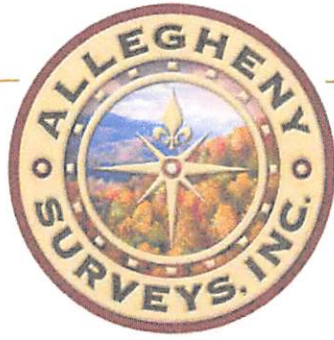
P.O. Box 280
Bridgeport, WV 26330

41-01363P

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WV Department of
Environmental Protection



POTENTIAL WATER SAMPLE DATA SHEET

CLIENT: EQT PRODUCTION COMPANY
LEASE NAME AND WELL No. Rinehart #658 WV 651931 47-041-01363

POTENTIAL SAMPLE LOCATIONS

Site: 1 Spacing: 941 +/- Owner: Joseph S. & Sara King
Address: 238 Walnut Fork, Alum Bridge, WV 26321 Phone No. _____
Comments: _____

BIRCH RIVER OFFICE

237 Birch River Road
Birch River, WV 26610
phone: 304-649-8606
fax: 304-649-8608

BRIDGEPORT OFFICE

172 Thompson Drive
Bridgeport, WV 26330
phone: 304-848-5035
fax: 304-848-5037

ALUM CREEK OFFICE

P.O. Box 108 • 1413 Childress Rd
Alum Creek, WV 25003
phone: 304-756-2949
fax: 304-756-2948

MARTINSBURG OFFICE

25 Lights Addition Drive
Martinsburg, WV 25404
phone: 304-901-2162
fax: 304-901-2182

Topo Quad: Vadis 7.5'

Scale: 1" = 2000'

RECEIVED
Office of Oil and Gas

County: Lewis

Date: October 26, 2017

NOV 22 2017

District: Freemans Creek

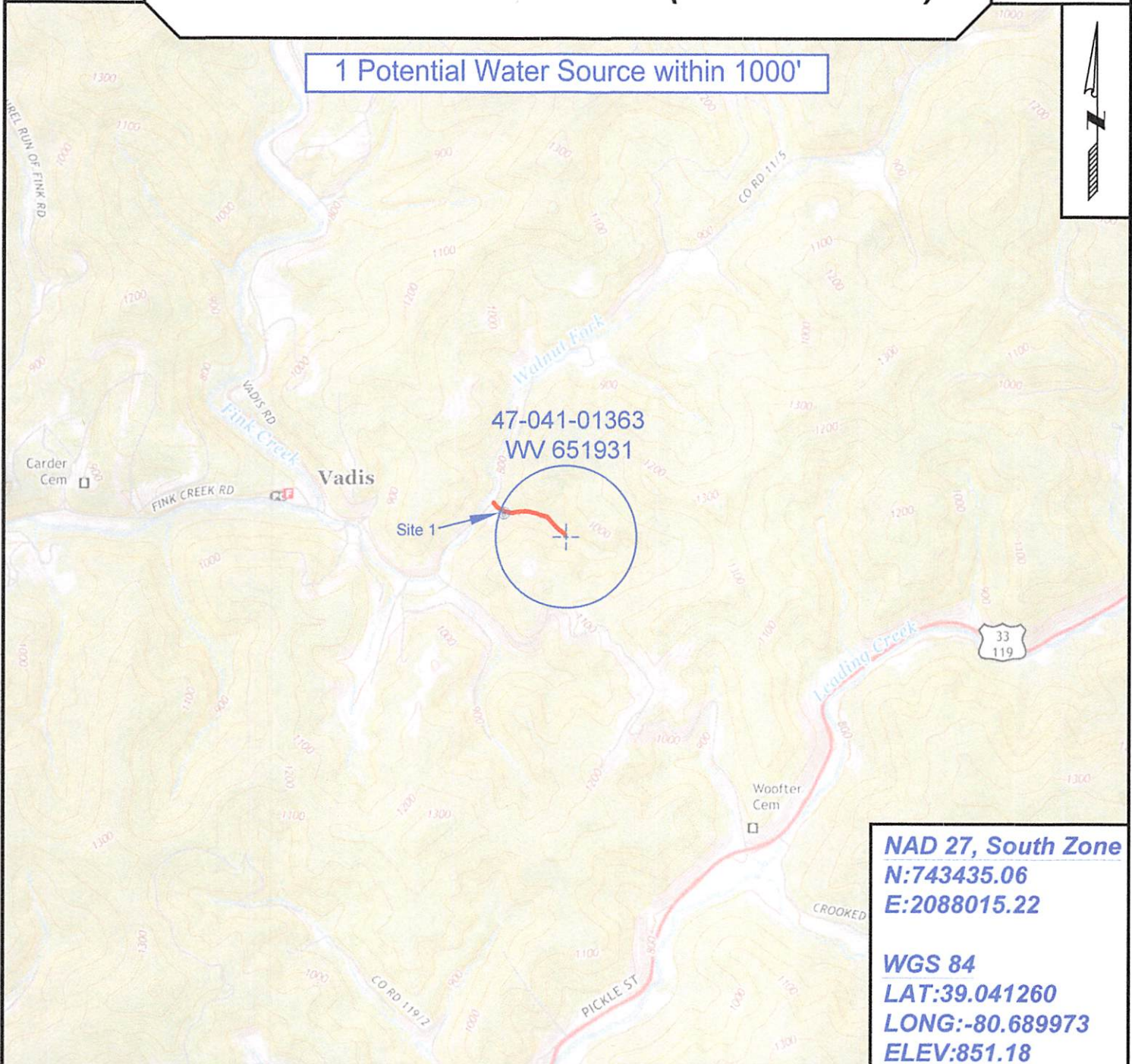
Project No: 73-12-00-08

WV Department of
Environmental Protection

Water

47-041-01363 WV 651931 (Rinehart #658)

1 Potential Water Source within 1000'



SURVEYING AND MAPPING SERVICES PERFORMED BY:

ALLEGHENY SURVEYS, INC.

1-800-482-8606
 237 Birch River Road
 Birch River, WV 26610
 PH: (304) 649-8606
 FAX: (304) 649-8608

PREPARED FOR:

EQT Production Company

P.O. Box 280
 Bridgeport, WV 26330

WW-7
8-30-06

RECEIVED
Office of Oil and Gas

NOV 22 2017

WV Department of
Environmental Protection



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 47-041-01363 WELL NO.: WV 651931 (Rinehart #658)

FARM NAME: B. J. Rinehart

RESPONSIBLE PARTY NAME: EQT Production Company

COUNTY: Lewis DISTRICT: Freemans Creek

QUADRANGLE: Vadis 7.5'

SURFACE OWNER: Joseph & Sarah King

ROYALTY OWNER: Nancy J. White, et al.

UTM GPS NORTHING: 4321401

UTM GPS EASTING: 526830 GPS ELEVATION: 259 m (851 ft)

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS _____ : Post Processed Differential _____
Real-Time Differential _____
Mapping Grade GPS X : Post Processed Differential X
Real-Time Differential _____

4. **Letter size copy of the topography map showing the well location.**

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

Steve Oberm
Signature

PS # 2180
Title

10/31/17
Date